

Amendments to the claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listings of the Claims:

- Claim 1. (Currently amended) A method for manufacture of sertindole comprising manufacturing 5-chloro-1-(4-fluorophenyl)-indole and converting it to sertindole, wherein the manufacturing characterised in that the method for manufacture of 5-chloro-1-(4-fluorophenyl)-indole comprises reacting 5-chloro-indole with a 4-fluorophenylhalide in the presence of a base, a chelating ligand and a catalytic amounts amount of a copper salt comprising copper(I) or copper(II), and an anion which does not interfere in an unfavourable way with the reaction that does not react as a nucleophile and does not compete with the indole for reaction with the 4-fluorophenylhalide, nor inactivates the copper catalyst.
- Claim 2. (Currently amended) A method for manufacture of 5-chloro-1-(4-fluorophenyl)-indole comprising reacting 5-chloro-indole with a 4-fluorophenylhalide in the presence of a base, a chelating ligand and a catalytic amounts amount of a copper salt comprising copper(I) or copper(II), and an anion which does not interfere in an unfavourable way with the reaction that does not react as a nucleophile and does not compete with the indole for reaction with the 4-fluorophenylhalide, nor inactivates the copper catalyst.
- Claim 3. (Currently amended) The method according to claim 1, wherein characterised in that the chelating ligand is a substituted or

unsubstituted 1,10-phenanthroline or a compound of the formula $X-(CR^1R^2-(CR^5R^6)_n(CR^3R^4-Y)_m$, wherein X and Y independently are selected from ~~NR⁷R⁸ and~~ OR⁹, R¹-R⁹ independently are selected from hydrogen, C₁₋₆-alkyl, C₁₋₆-alkyl carboxylic acid and or aryl, or one of R¹ and R² together with one of R⁵ and R⁶ are C₃₋₆-alkylene, m is 1 or 2 and n is 0, 1, 2 or 3.

Claim 4. (Currently amended) The method according to claim 3, wherein characterised ~~in that~~ the chelating ligand is selected from 1,2-cyclohexanediamine, N,N,N,N-tetramethyl ethylenediamine, N,N-diethyl ethylenediamine, ethylenediamine, ethylenediamine N,N,N,N-tetraacetic acid (EDTA), diethylenetriamine N,N,N,N,N-pentaacetic acid (DTPA) and or substituted or unsubstituted 1,10-phenantroline.

Claim 5. (Currently amended) The method according to claim 1, wherein characterised ~~in that~~ the copper salt is selected from CuCl, CuBr, CuI, CuCl₂, CuBr₂, CuI₂, CuOCOCH₃, Cu(OCOCH₃)₂, anhydrous CuSO₄, [[or]] hydrated CuSO₄, CuCO₃, Cu₂O or a mixture thereof and mixtures of said copper salts.

Claim 6. (Currently amended) The method according to claim 1, characterised ~~in that~~ wherein the 4-fluorophenylhalide is 4-fluoro-bromobenzene or 4-fluoro-iodobenzene.

Claim 7. (Currently amended) The method according to claim 1, characterised ~~in that~~ wherein the 4-fluorophenylhalide is added in a molar surplus relative to the 5-chloro-indole.

Claim 8. (Currently amended) The method according to claim 7, characterised ~~in that~~ wherein the molar surplus is ~~in the range from 1.1 to 3.~~

- Claim 9. (Currently amended) The method according to claim 1, characterised in ~~that~~ wherein the catalytic ~~amounts~~ amount of the copper salt is less than 20 mol % relative to the 5-chloro-indole.
- Claim 10. (Currently amended) The method according to claim 1, characterised in ~~that~~ wherein the base is selected from the group consisting of carbonates, hydrogen carbonates, phosphates, hydrogen phosphates, dihydrogen phosphates, oxides and hydroxides of alkali metals.
- Claim 11. (Currently amended) The method according to claim 10, characterised in ~~that~~ wherein the base is present in a molar excess relative to the 5-chloro-indole.
- Claim 12. (Currently amended) The method according to claim 1, characterised in ~~that~~ reaction wherein the reacting is completed at a temperature ~~temperatures in the range~~ from above 80 °C to about 200 °C.
- Claim 13. (Previously presented) The method according to claim 4, wherein the chelating ligand is 1,2-cyclohexanediamine, N,N,N,N-tetramethyl ethylenediamine, N,N-diethyl ethylenediamine or ethylenediamine.
- Claim 14. (Previously presented) The method according to claim 13, wherein the chelating ligand is ethylenediamine.
- Claim 15. (Currently amended) The method according to claim 5, wherein the copper salt is ~~selected from~~ CuCl, CuBr, CuI, CuCl₂, CuBr₂ and CuI₂ or a mixture thereof.

- Claim 16. (Previously presented) The method according to claim 6, wherein the 4-fluorophenylhalide is 4-fluoro-bromobenzene.
- Claim 17. (Currently amended) The method according to claim 9, wherein the catalytic ~~amounts~~ amount of the copper salt is less than 10 mol % relative to the 5-chloro-indole.
- Claim 18. (Currently amended) The method according to claim 17, wherein the catalytic ~~amounts~~ amount of the copper salt is ~~in the range from about 1 to about 5 mol % relative to the 5-chloro-indole.~~
- Claim 19. (Currently amended) The method according to claim 11, wherein the ~~base is present in the range~~ molar excess is from about 1.05 molar equivalents to about 2.5 molar equivalents.
- Claim 20. (Currently amended) The method according to claim 12, wherein the reaction is completed at ~~temperatures in the range~~ a temperature from about 100 °C to about 160 °C.